

**REMARKS**

In the August 28, 2007 Advisory Action, the Examiner appears to maintain that Applicant's amendment of "3" to "-3" is new matter. Applicant respectfully traverses this assertion and provides the following remarks.

As disclosed in lines 8-11 of page 14 of the Application, the maximum value of  $\theta_{rmax}$  of the rotor skew angle, at which the cogging torque is equal to the theoretical angle  $\theta_t=30^\circ$ , is given by the expression (4) from the empirical formula based on an analysis result. In other words, the expression " $\theta_{rmax}=700 \times 10^{-3}/L_c + \theta_t$ " (as corrected via the August 15, 2007 Amendment), is derived from the experimental data and plots shown in Figures 9A to 9D. Turning to the data of Figure 9A, for example,  $L_c=40 \times 10^{-3}$ ,  $\theta_t=30^\circ$  and  $\theta_{rmax}=47.5^\circ$ . With these three numbers, Applicant submits that one skilled in the art would unambiguously deduce that the exponent should be "-3", such that the previous exponent of "3" was a clear, typographical error.

All arguments presented in the August 15, 2007 Amendment are hereby incorporated by reference.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any

RESPONSE UNDER 37 C.F.R. § 1.114(c)  
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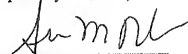
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Respectfully submitted,



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Date: September 17, 2007  
(September 15, 2007, being a Saturday)